CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	Hungary	REPORT		25X	
SUBJECT	Misnay Armor-Piercing Mine	DATE DISTR. NO. OF PAGES	17 March	25X1	
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- The hollow charge was invented by Lt. Col. József Misnay. He prepared only the charge; the theory behind it was not known to him and he could not perform the calculations.
- 2. The essence of the invention was that the destructive power of the missile was enhanced considerably if the explosion waves were focused. To achieve, this effect the charge was given a parabolic shape. Like light waves, the explosion waves also met at a focal point where the shock effect was 30 to 40 times greater than the Kinetic shock power.
- 3. Experiments had indicated that the hollow charges had its maximum effect only at the place of the explosion, but had no effect at a distance. It was found for example, that if the charge was placed and exploded on a 20 cm. thick armor plate, the plate was blown into minute pieces. The blast produced a huge, seashell-like break, which destroyed the cohesion of the extra-hard metal.
- 4. It was concluded, that the most practical use of the hollow conarge was as an armor-piercing missile. It was also utilized in the Hungarian rockets guided by an acoustic firing device called "buzogany" (mace) or "lidero" (evil spirit of hobgoblin).
- The manufacture of the hollow charge is relatively simple. Currently, it is manufactured by the Matyas Rakosi Works and by the Lampart Factory.
- 6. Experiments in connection with the application of the hollow charge were conducted at the Honved Müszaki Intézet (Army Technological Institute) which had previously been called Haditechnikai Intézet (Institute of Military Technology). The conduction of the hollow of the conduction of the hollow of the conduction of the hollow conduction of the hollow charge were conducted at the Honved Müszaki Intézet (Institute of Military Technology).

25 YEAR RE-REVIEW

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- 7. Currently the commandant of the institute is General Pal Molnar and its leading officers are Bela Makkai, Bela Csonka, Sandor Dekany, and Artur Nagy, some of whom are also lecturing at the Technical University. They are all old career officers and specialists whose jobs are relatively secure since they would be difficult to replace.
- 8. Jözsef Misnay was last assigned to the Technical Department of the Ministry of Defense. However, it could not be ascertained whether he is still holding the same assignment.

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